

Metadata for Fire Island National Seashore, Field Plots Data Base for Vegetation Mapping

Identification_Information:

Citation:

Citation_Information:

Originator: New York Natural Heritage Program

Publication_Date: 200204

Title: Fire Island National Seashore, Field Plots Data Base for Vegetation Mappings

Edition: 1.0

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: <http://biology.usgs.gov/npsveg/fiis/fielddata.html>

Description:

Abstract: This dataset was compiled to provide users with the geographic locations of the vegetation plots used to create the Fire Island Vegetation Map classification system.

Purpose: The purpose of this data is to provide the managers and researchers on Fire Island with an accurate spatially referenced dataset to assist in their efforts.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 200007

Currentness_Reference: ground condition as of 2000

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None planned

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -73.301832

East_Bounding_Coordinate: -72.756856

North_Bounding_Coordinate: 40.781410

South_Bounding_Coordinate: 40.612784

Description_of_Geographic_Extent: Fire Island National Seashore and on the West by the Robert Moses State Park and on the East by the Smith Point County Park.

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: vegetation classification

Theme_Keyword: National Vegetation Classification Standard

Theme_Keyword: vegetation sampling

Theme_Keyword: barrier island

Theme_Keyword: coast

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: Fire Island

Place_Keyword: William Floyd Estate

Access_Constraints: There are no access constraints attached to these data.

Use_Constraints: These data were designed to identify and map vegetation polygons only. They are not appropriate for other uses such as legal property boundary identification, tax assessment, etc.

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Conservation Management Institute

Contact_Person: Scott Klopfer

Contact_Position: GIS & Remote Sensing Division Coordinator

USGS-NPS Vegetation Mapping Program
Fire Island National Seashore

Contact_Address:

Address_Type: mailing and physical address

Address: 203 West Roanoke Street

City: Blacksburg

State_or_Province: Virginia

Postal_Code: 24061

Country: USA

Contact_Voice_Telephone: 540 231 7348

Contact_TDD/TTY_Telephone: none

Contact_Facsimile_Telephone: 540 231 7019

Contact_Electronic_Mail_Address: sklopfer@vt.edu

Hours_of_Service: 8-5 Monday through Friday EST

Contact_Instructions: email preferred

Browse_Graphic:

Browse_Graphic_File_Name: <http://biology.usgs.gov/npsveg/fiis/images/fiisplots.jpg>

Browse_Graphic_File_Description: 103 Kbyte, locations of vegetation plot samples; low resolution for web browsing.

Browse_Graphic_File_Type: JPG

Native_Data_Set_Environment: Microsoft Windows 2000 Version 5.0 (Build 2195) ; ESRI ArcCatalog 8.1.0.642

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Data and locations were collected on a GPS and differentially corrected. The vegetation values collected were largely qualitative and based on the experience of the observer. These data were only used as a guide for the photointerpreter to assign vegetation associations from the photography.

Logical_Consistency_Report: Points were created from GPS data recorded in the field.

Completeness_Report: All vegetation plots conducted as part of the Fire Island Vegetation Mapping Project are included as are some plots from previous NYNHP work in the area.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report: Location information was taken with a GPS and differentially corrected. No quantitative report of accuracy is available, but subsequent field visits to these same points indicate that accuracy is within 5 m at most locations.

Lineage:

Process_Step:

Process_Description: These data were taken as locations with attributes in the field. The points were differentially corrected and imported to the GIS. The vegetation information along with the point location were used to guide assignment of delineated polygons to vegetation associations.

Process_Date: 200109

Cloud_Cover: 0

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Entity point

Point_and_Vector_Object_Count: 62

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Point

Point_and_Vector_Object_Count: 4

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: GT-polygon composed of chains

Point_and_Vector_Object_Count: 7738

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Point

Point_and_Vector_Object_Count: 4

Spatial_Reference_Information:

USGS-NPS Vegetation Mapping Program

Fire Island National Seashore

Horizontal_Coordinate_System_Definition:

Planar:

Grid_Coordinate_System:

Grid_Coordinate_System_Name: Universal Transverse Mercator

Universal_Transverse_Mercator:

UTM_Zone_Number: 18

Transverse_Mercator:

Scale_Factor_at_Central_Meridian: 0.999600

Longitude_of_Central_Meridian: -75.000000

Latitude_of_Projection_Origin: 0.000000

False_Easting: 500000.000000

False_Northing: 0.000000

Planar_Coordinate_Information:

Planar_Coordinate_Encoding_Method: coordinate pair

Coordinate_Representation:

Abscissa_Resolution: 0.000064

Ordinate_Resolution: 0.000064

Planar_Distance_Units: meters

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1983

Ellipsoid_Name: Geodetic Reference System 80

Semi-major_Axis: 6378137.000000

Denominator_of_Flattening_Ratio: 298.257222

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: fiis_plot.pat

Entity_Type_Definition: Field plots data base information at various spots on the entire length of Fire Island. These attributes included species, height, and estimates of percent cover for a particular polygon. Plots were georeferenced to within 5 m using GPS unit and differentially corrected.

Entity_Type_Definition_Source: The plot sampling methodology used by the NYNHP on Fire Island follow the methodology developed by The Nature Conservancy and the network of Natural Heritage Programs (Sneddon 1994, Grossman et al. 1998, Edinger et al. 2000).

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: AREA

Attribute_Definition: Area of feature in internal units squared.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Area is always zero for point coverages. Values are automatically generated.

Attribute:

Attribute_Label: PERIMETER

Attribute_Definition: code assigned by NYNHP

Attribute_Definition_Source: New York Natural Heritage Program

Attribute_Domain_Values:

USGS-NPS Vegetation Mapping Program

Fire Island National Seashore

Codeset_Domain:

Codeset_Name: New York Natural Heritage Program Vegetation Classification Codeset

Codeset_Source: New York Natural Heritage Program

Unrepresentable_Domain: Perimeter is always zero for point coverages. Values are automatically generated.

Attribute:

Attribute_Label: FIIS_PLOT#

Attribute_Definition: NYNHP vegetation classification

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: vegetation type from NYNHP

Attribute:

Attribute_Label: FIIS_PLOT-ID

Attribute_Definition: final association classification the plot represents

Attribute_Definition_Source: NatureServe & The Nature Conservancy

Attribute_Domain_Values:

Unrepresentable_Domain: textual description of vegetation association

Attribute:

Attribute_Label: ATTRIBUTE

Attribute_Definition: description of the attributes

Attribute_Definition_Source: USGS-NPS Vegetation Mapping Program

Attribute_Domain_Values:

Unrepresentable_Domain: Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: FINAL_CLAS

Attribute_Definition: description of the final classes.

Attribute_Definition_Source: USGS-NPS Vegetation Mapping Program

Attribute_Domain_Values:

Unrepresentable_Domain: Sequential unique whole numbers that are automatically generated.

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: USGS Biological Resources Division, Center for Biological Informatics

Contact_Person: USGS-NPS Vegetation Mapping Program Coordinator

Contact_Address:

Address_Type: Physical Address

Address: USGS

Address: Biological Resources Division, CBI

Address: Building 810, Room 8000

City: Denver

State_or_Province: Colorado

Postal_Code: 80225-0046

Country: USA

Contact_Address:

Address_Type: Mailing Address

Address: USGS

Address: Biological Resources Division, CBI

Address: PO BOX 25046, DFC, MS302

City: Denver

State_or_Province: Colorado

Postal_Code: 80225-0046

Country: USA

Contact_Voice_Telephone: (303) 202-4220

Contact_Facsimile_Telephone: 303-202-4229

Contact_Facsimile_Telephone: 303-202-4219 (org)

Contact_Electronic_Mail_Address: gs-b-npsveg@usgs.gov

USGS-NPS Vegetation Mapping Program
Fire Island National Seashore

Resource_Description: NPS Vegetation Mapping Program: Vegetation Map of Fire Island National Seashore

Distribution_Liability: The distributor maintains no liability for the use and application of these data beyond it's intended use as a depiction of vegetation.

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Format_Name: HTML

Digital_Transfer_Option:

Online_Option:

Computer_Contact_Information:

Network_Address:

Network_Resource_Name: <http://biology.usgs.gov/npsveg/fiis/fielddata.html>

Fees: None

Metadata_Reference_Information:

Metadata_Date: 20020426

Metadata_Review_Date: 20050518

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: USGS-NPS Vegetation Mapping Program Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address:

U.S. Geological Survey, Center for Biological Informatics, MS 302,

Room 8000, Building 810, Denver Federal Center

City: Denver

State_or_Province: Colorado

Postal_Code: 80225

Country: USA

Contact_Voice_Telephone: (303) 202-4220

Contact_Facsimile_Telephone: (303) 202-4219

Contact_Electronic_Mail_Address: gs-b-npsveg@usgs.gov

Metadata_Standard_Name: FGDC-STD-001.1-1999 Content Standard for Digital Geospatial Metadata, 1998 Part 1:

Biological Data Profile, 1999

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Extensions:

Online_Linkage: <http://biology.usgs.gov/fgdc.bio/bionwext.txt>

Profile_Name: Biological Data Profile FGDC-STD-001.1-1999